

01799

1995/01/00

(TOTAL)

Global Launch Services Supply and Demand Analysis

U.S. LAUNCH VEHICLES

Category	U.S. LAUNCH VEHICLES						(TOTAL)
	1995	1996	1997	1998	1999	2000	
Pegasus/Taurus/LLV: Requirements	10	7	6	2	4	3	2
Capacity	13	14	16	18-22	24-28	30-34	30-34
Delta 2 East Coast: Requirements	4 (4)	5 (5)	8 (8)	4 (5)	6 (7)	4 (5)	4 (5)
Capacity	4	8	12	12	12	8	12
Delta 2 West Coast: Requirements	2 (2)	3 (3)	5 (5)	2 (3)	0 (0)	3 (3)	1 (3)
Capacity	4	6	6	6	5	4	6
Atlas 1/2/2AS East Coast: Requirements	10 (10)	7 (7)	6 (6)	2 (2)	3 (4)	3 (4)	0 (2)
Capacity	8	9	10	10	10	10	10
Atlas 1/2/2AS West Coast: Requirements	0	0	0	3	1	2	1 (2)
Capacity	0	1	4	4	4	4	4

NOTE: Only firm and probable requirements are shown for both government and commercial missions. Potential missions in the out-years are not shown. Projected IEO commercial requirements of at least 4 to 5 launches per year from 1997 on are not shown.

Numbers in parentheses represent revised launch projections by DOD
~~for Delta II~~ taking into account further review of likely U.S.
 Government launches.

DEMAND...S

Global Launch Services Supply and Demand Analysis

From 1995 to 1998 Ariane 4 has been phased out and Ariane 5 has been introduced.

No Ariane 4 launching after 1998.

No Ariane 5 launching before 1996.

Proton launching from 1996 to 1999.

Long March 2E launching from 1996 to 1999.

Long March 2C launching from 1997 to 1999.

Long March 3B launching from 1997 to 1999.

Long March 2C, etc: Requirements Capacity

Proton: Requirements Capacity

Ariane 4: Requirements Capacity

Ariane 5: Requirements Capacity

Foreign Launch Vehicles

1994 revised forecast 11/8/94

Category	1995	1996	1997	1998	1999	2000	2001
Long March 2C, etc: Requirements Capacity	6	4 to 5	1	1	1	1	1 ..
Long March 3B: Requirements Capacity	6	6	6	6	6	6	6 ..
Proton: Requirements Capacity	0	0 to 1	0	3	3	0	0
Ariane 4: Requirements Capacity	14 (12) 12	8 (10) 12	5 12	2 10	1 8	?	?
Ariane 5: Requirements Capacity	0	2	1	1	3	?	*
Foreign Launch Vehicles	0	4	6	8 to 10	8 to 10	8 to 10	8 to 10 X

- Reflects gradual reduction of Ariane 4 capacity
- Maximum theoretical (surge) capacity has been estimated at 7 to 8 GEO launches per year
- Estimate for nominal capacity using new-built Protons; actual capacity may be higher